

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L15	9	((("6904191") or ("6828887") or ("6510275") or ("6658179") or ("6580858") or ("6379989") or ("6567448") or ("6054335") or ("6177800")).PN.	US-PGPUB; USPAT	OR	OFF	2005/06/08 10:34
L17	210	(thermal near2 actuator) same width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/08 10:35

L18	113	(US-20010017358-\$ or US-20010050232-\$ or US-20020011758-\$ or US-20020164123-\$ or US-20020174891-\$ or US-20020190603-\$ or US-20030011254-\$ or US-20030029705-\$ or US-20030053231-\$ or US-20030086641-\$ or US-20030098612-\$ or US-20030121260-\$ or US-20030132090-\$ or US-20030132822-\$ or US-20030160539-\$ or US-20030210115-\$ or US-20040027029-\$ or US-20040032000-\$ or US-20040085608-\$ or US-20040114856-\$ or US-20040118481-\$ or US-20040126080-\$ or US-20040126081-\$ or US-20040184709-\$ or US-20040184710-\$ or US-20040184720-\$).did. or (US-20040184760-\$ or US-20040189142-\$ or US-20040196522-\$ or US-20050011191-\$ or US-20050031252-\$ or US-20050031253-\$ or US-20050031288-\$).did. or (US-4887100-\$ or US-5024500-\$ or US-5364497-\$ or US-5583290-\$ or US-5862003-\$ or US-5870518-\$ or US-5909078-\$ or US-5955817-\$ or US-5962949-\$ or US-5994816-\$ or US-5998906-\$ or US-6023121-\$ or US-6032532-\$ or US-6114794-\$ or US-6124663-\$ or US-6133670-\$ or US-6134207-\$ or US-6137206-\$ or US-6164837-\$ or US-6210046-\$ or US-6218762-\$ or US-6236139-\$ or US-6253011-\$ or US-6255757-\$ or US-6262512-\$ or US-6275320-\$).did. or (US-6291922-\$ or US-6303885-\$ or US-6308631-\$ or US-6310419-\$ or US-6324748-\$ or US-6333583-\$ or US-6338249-\$ or US-6351580-\$ or US-6360033-\$ or US-6360539-\$ or US-6363183-\$ or US-6367251-\$ or US-6367252-\$ or US-6386507-\$ or US-6388359-\$ or US-6404969-\$ or US-6407478-\$ or US-6422011-\$ or US-6428173-\$ or US-6487330-\$ or US-6504868-\$ or US-6590313-\$ or US-6596147-\$ or US-6628039-\$ or US-6658170-\$ or US-6661067-\$	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/06/08 10:35
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L19	198	L17 not L18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/08 10:35
L20	1	2005-210748.NRAN.	DERWENT	OR	ON	2005/06/08 10:41
L21	1	2005-210744.NRAN.	DERWENT	OR	ON	2005/06/08 10:41
L22	1	2005-210744.NRAN.	DERWENT	OR	ON	2005/06/08 10:42
L23	103	(thermal with actuator) and (beam with spacing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/08 10:43

L24	103	(US-20030086641-\$ or US-20040032000-\$ or US-20010050232-\$ or US-20020011758-\$ or US-20020164123-\$ or US-20030053231-\$ or US-20030132822-\$ or US-20030132090-\$ or US-20030210115-\$ or US-20040027029-\$ or US-20040114856-\$ or US-20040118481-\$ or US-20040184760-\$ or US-20040184720-\$ or US-20040184710-\$ or US-20040184709-\$ or US-20050031288-\$ or US-20050031253-\$ or US-20050031252-\$ or US-20030121260-\$ or US-20010017358-\$ or US-20020190603-\$ or US-20030011254-\$ or US-20030160539-\$ or US-20040085608-\$ or US-20040126081-\$).did. or (US-20040126080-\$ or US-20040189142-\$ or US-20040196522-\$ or US-20050011191-\$ or US-20020174891-\$ or US-20030029705-\$ or US-20030098612-\$).did. or (US-5909078-\$ or US-5994816-\$ or US-6023121-\$ or US-6114794-\$ or US-6255757-\$ or US-6324748-\$ or US-6360539-\$ or US-6828887-\$ or US-5024500-\$ or US-6303885-\$ or US-6487330-\$ or US-5998906-\$ or US-6124663-\$ or US-6134207-\$ or US-6218762-\$ or US-6236139-\$ or US-6275320-\$ or US-6338249-\$ or US-6351580-\$ or US-6360033-\$ or US-6363183-\$ or US-6367252-\$ or US-5955817-\$ or US-5962949-\$ or US-6367251-\$ or US-6388359-\$).did. or (US-6404969-\$ or US-6428173-\$ or US-6504968-\$ or US-6590313-\$ or US-6596147-\$ or US-6658179-\$ or US-6754243-\$ or US-6771158-\$ or US-6807356-\$ or US-6836584-\$ or US-6853765-\$ or US-4887100-\$ or US-5364497-\$ or US-5583290-\$ or US-6032532-\$ or US-5870518-\$ or US-6164837-\$ or US-6310419-\$ or US-6386507-\$ or US-6422011-\$ or US-6673378-\$ or US-6708492-\$ or US-6133670-\$ or US-6137206-\$ or US-5862003-\$ or US-6701022-\$	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/06/08 10:43
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L25	21	L23 and L24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/08 10:43
L26	3	(thermal with actuator) and (beam with resistance with width)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/08 10:43
L27	394	(beam with resistance with width)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/08 10:43
L28	360	(optical with switch\$2) and substrate and (beam or waveguide or fiber) and (thermal with actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/08 10:43
L29	1176	(substrate same (beam or waveguide or fiber)) and (thermal with actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/08 10:43
L30	869	L29 not L28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/08 10:43
S1	15	(("5706041") or ("5851412") or ("6362512") or ("6379989") or ("6002507") or ("6014240") or ("5909078") or ("5994816") or ("6023121") or ("6114794") or ("6255757") or ("6324748") or ("6360539") or ("20030134445") or ("20030086641")).PN.	US-PGPUB; USPAT	OR	OFF	2005/03/07 09:21
S2	1	("6658179").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/07 09:40
S3	9	(("6828171") or ("6467879") or ("6479311") or ("6479315") or ("6506620") or ("6580858") or ("6510275") or ("6828887") or ("6661070")).PN.	US-PGPUB; USPAT	OR	OFF	2005/03/07 10:41

S4	11	((("5024500") or ("6487330") or ("6842558") or ("6201629") or ("5969848") or ("6033670") or ("5502781") or ("6072924") or ("6303885") or ("6526198") or ("20040032000")).PN.	US-PGPUB; USPAT	OR	OFF	2005/03/07 10:42
S5	333	(optical with switch\$2) and substrate and (beam or waveguide or fiber) and (thermal with actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 11:44
S6	6	("5867302"   "5955817"   "5962949"   "5994816"   "6023121"   "6114794").PN. OR ("6367252").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 10:57
S7	1	2002-548530.NRAN.	DERWENT	OR	ON	2005/03/07 11:03
S8	0	("2004/0184760").URPN.	USPAT	OR	ON	2005/03/07 11:36
S9	0	("2004/0118481").URPN.	USPAT	OR	ON	2005/03/07 11:37
S10	1	("2004/0114856").URPN.	USPAT	OR	ON	2005/03/07 11:37
S11	0	("2004/0184720").URPN.	USPAT	OR	ON	2005/03/07 11:37
S12	0	("2004/0184710").URPN.	USPAT	OR	ON	2005/03/07 11:37
S13	0	("2004/0184709").URPN.	USPAT	OR	ON	2005/03/07 11:37
S14	0	("6828887").URPN.	USPAT	OR	ON	2005/03/07 11:39
S15	0	("6853765").URPN.	USPAT	OR	ON	2005/03/07 11:40
S16	3	("5909078"   "6168395"   "6303885").PN. OR ("6828887").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 11:41
S17	6	("20020102061"   "4946236"   "5175776"   "5446811"   "6360036"   "6388359").PN. OR ("6853765").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 11:41
S18	0	("2005/0031288").URPN.	USPAT	OR	ON	2005/03/07 11:43
S19	0	("2005/0031253").URPN.	USPAT	OR	ON	2005/03/07 11:43
S20	0	("2005/0031252").URPN.	USPAT	OR	ON	2005/03/07 11:43
S21	1461	substrate and (beam or waveguide or fiber) and (thermal with actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 17:18
S22	1099	(substrate same (beam or waveguide or fiber)) and (thermal with actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 16:08

S23	812	S22 not S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 11:45
S24	19	("4624741"   "4893509"   "5130276").PN. OR ("5364497"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 12:05
S25	1	1997-169577.NRAN.	DERWENT	OR	ON	2005/03/07 16:00
S26	35	("3836225"   "4688885"   "5080458"   "5181214"   "5214727"   "5457765"   "5483608"   "5553182"   "5602955"   "5606635"   "5699463").PN. OR ("5870518"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 16:02
S27	70	(substrate same (beam or waveguide or fiber)) and (thermal with actuator).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 16:09
S28	333	(optical with switch\$2) and substrate and (beam or waveguide or fiber) and (thermal with actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 16:09
S29	57	S27 not S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 16:09

S30	75	("1258368"   "1658669"   "2466703"   "3213318"   "3280550"   "3304446"   "3609593"   "4806815"   "5179499"   "5180940"   "5184269"   "5191251"   "5261747"   "5296775"   "5309056"   "5355712"   "5367584"   "5441343"   "5467068"   "5475318"   "5483799"   "5536988"   "5558304"   "5600174"   "5602955"   "5606635"   "5629665"   "5644177"   "5659285"   "5722989"   "5796152"   "5813441"   "5862003"   "5881198"   "5903078"   "5909078").PN. OR ("6137206").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 16:14
S31	7	("5214735"   "5677975"   "5835652"   "6085014"   "6249636"   "6374022"   "6539161").PN. OR ("6661962"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 16:42
S32	1462	substrate and (beam or waveguide or fiber) and (thermal with actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 17:19
S33	1100	(substrate same (beam or waveguide or fiber)) and (thermal with actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/08 08:15
S34	813	S33 not S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 17:19
S35	622	S32 not (S34 or (silverbrook.in.))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 17:19



S36	104	(US-20030086641-\$ or US-20040032000-\$ or US-20010050232-\$ or US-20020011758-\$ or US-20020164123-\$ or US-20030053231-\$ or US-20030132822-\$ or US-20030132090-\$ or US-20030210115-\$ or US-20040027029-\$ or US-20040114856-\$ or US-20040118481-\$ or US-20040184760-\$ or US-20040184720-\$ or US-20040184710-\$ or US-20040184709-\$ or US-20050031288-\$ or US-20050031253-\$ or US-20050031252-\$ or US-20030121260-\$ or US-20010017358-\$ or US-20020190603-\$ or US-20030011254-\$ or US-20030160539-\$ or US-20040085608-\$ or US-20040126081-\$).did. or (US-20040126080-\$ or US-20040189142-\$ or US-20040196522-\$ or US-20050011191-\$).did. or (US-5909078-\$ or US-5994816-\$ or US-6023121-\$ or US-6114794-\$ or US-6255757-\$ or US-6324748-\$ or US-6360539-\$ or US-6828887-\$ or US-5024500-\$ or US-6303885-\$ or US-6487330-\$ or US-5998906-\$ or US-6124663-\$ or US-6134207-\$ or US-6218762-\$ or US-6236139-\$ or US-6275320-\$ or US-6338249-\$ or US-6351580-\$ or US-6360033-\$ or US-6363183-\$ or US-6367252-\$ or US-5955817-\$ or US-5962949-\$ or US-6367251-\$ or US-6388359-\$).did. or (US-6404969-\$ or US-6428173-\$ or US-6504968-\$ or US-6590313-\$ or US-6596147-\$ or US-6658179-\$ or US-6754243-\$ or US-6771158-\$ or US-6807356-\$ or US-6836584-\$ or US-6853765-\$ or US-4887100-\$ or US-5364497-\$ or US-5583290-\$ or US-6032532-\$ or US-5870518-\$ or US-6164837-\$ or US-6310419-\$ or US-6386507-\$ or US-6422011-\$ or US-6675578-\$ or US-6708492-\$ or US-6133670-\$ or US-6137206-\$ or US-5862003-\$ or US-6291922-\$ or US-6407478-\$).did. or (US-6628039-\$ or US-6210046-\$ or US-6252011-\$ or US-6262512-\$	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/07 17:19
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S37	288	S35 not (S36 or S28)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/07 17:20
S38	2	("2003/0029705").URPN.	USPAT	OR	ON	2005/03/07 17:28
S39	12	("20010008357"   "4806815"   "5796152"   "5909078"   "5994816"   "6211598"   "6236139"   "6255757"   "6291922"   "6367251"   "6386507"   "6590313").PN. OR ("6734597").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 17:31
S40	2	("6310419"   "6407478").PN. OR ("6753582").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 17:32
S41	6	("20020114058"   "5909078"   "5963367"   "6467761"   "6672795"   "6679055").PN. OR ("6806991").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 17:33
S42	0	(substrate same (beam or waveguide or fiber)) and (ladder with thermal with actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/08 08:15
S43	12	("20010008357"   "4806815"   "5796152"   "5909078"   "5994816"   "6211598"   "6236139"   "6255757"   "6291922"   "6367251"   "6386507"   "6590313").PN. OR ("6734597").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/08 08:35
S44	0	("WO199098").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/08 11:32
S45	1	"WO01/99098"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/08 08:38
S46	0	"01/99098"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/08 08:38

S47	0	"\$01/99098"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/08 08:38
S48	387	(beam with resistance with width)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/08 14:08
S49	3	(thermal with actuator) and (beam with resistance with width)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/08 14:11
S50	99	(thermal with actuator) and (beam with spacing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/08 14:11

S51	113	(US-20030086641-\$ or US-20040032000-\$ or US-20010050232-\$ or US-20020011758-\$ or US-20020164123-\$ or US-20030053231-\$ or US-20030132822-\$ or US-20030132090-\$ or US-20030210115-\$ or US-20040027029-\$ or US-20040114856-\$ or US-20040118481-\$ or US-20040184760-\$ or US-20040184720-\$ or US-20040184710-\$ or US-20040184709-\$ or US-20050031288-\$ or US-20050031253-\$ or US-20050031252-\$ or US-20030121260-\$ or US-20010017358-\$ or US-20020190603-\$ or US-20030011254-\$ or US-20030160539-\$ or US-20040085608-\$ or US-20040126081-\$).did. or (US-20040126080-\$ or US-20040189142-\$ or US-20040196522-\$ or US-20050011191-\$ or US-20020174891-\$ or US-20030029705-\$ or US-20030098612-\$).did. or (US-5909078-\$ or US-5994816-\$ or US-6023121-\$ or US-6114794-\$ or US-6255757-\$ or US-6324748-\$ or US-6360539-\$ or US-6828887-\$ or US-5024500-\$ or US-6303885-\$ or US-6487330-\$ or US-5998906-\$ or US-6124663-\$ or US-6134207-\$ or US-6218762-\$ or US-6236139-\$ or US-6275320-\$ or US-6338249-\$ or US-6351580-\$ or US-6360033-\$ or US-6363183-\$ or US-6367252-\$ or US-5955817-\$ or US-5962949-\$ or US-6367251-\$ or US-6388359-\$).did. or (US-6404969-\$ or US-6428173-\$ or US-6504968-\$ or US-6590313-\$ or US-6596147-\$ or US-6658179-\$ or US-6754243-\$ or US-6771158-\$ or US-6807356-\$ or US-6836584-\$ or US-6853765-\$ or US-4887100-\$ or US-5364497-\$ or US-5583290-\$ or US-6032532-\$ or US-5870518-\$ or US-6164837-\$ or US-6310419-\$ or US-6386507-\$ or US-6422011-\$ or US-6575578-\$ or US-6708492-\$ or US-6133670-\$ or US-6137206-\$ or US-5962002-\$ or US-5701022-\$	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/08 14:12
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S52	24	S50 and S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/08 14:12
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| <input type="checkbox"/> | <b>1. Solder-assembled large MEMS flaps for fluid mixing</b><br>Zhichun Ma; Bradley, E.; Peacock, T.; Hertzberg, J.R.; Yung-Cheng Lee;<br>Advanced Packaging, IEEE Transactions on [see also Components, Packaging and M:<br>Technology, Part B: Advanced Packaging, IEEE Transactions on]<br>Volume 26, Issue 3, Aug. 2003 Page(s):268 - 276<br><a href="#">AbstractPlus</a>   <a href="#">References</a>   Full Text: <a href="#">PDF</a> (2372 KB) IEEE JNL |
| <input type="checkbox"/> | <b>2. New opportunities for microactuators</b><br>Fujita, H.; Gabriel, K.J.;<br>Solid-State Sensors and Actuators, 1991. Digest of Technical Papers, TRANSDUCER:<br>International Conference on<br>24-27 June 1991 Page(s):14 - 20<br><a href="#">AbstractPlus</a>   Full Text: <a href="#">PDF</a> (640 KB) IEEE CNF  |
| <input type="checkbox"/> | <b>3. Thermal microactuators for optical purpose</b><br>Huja, M.; Husak, M.;<br>Information Technology: Coding and Computing, 2001. Proceedings. International Con<br>2-4 April 2001 Page(s):137 - 142<br><a href="#">AbstractPlus</a>   Full Text: <a href="#">PDF</a> (436 KB) IEEE CNF  |
| <input type="checkbox"/> | <b>4. A micromechanical focusing device for artificial vision</b><br>Gallois-Pichonat, E.; Jeannot, J.-C.; de Labachellerie, M.;<br>Emerging Technologies and Factory Automation, 2001. Proceedings. 2001 8th IEEE In<br>Conference on<br>Volume 2, 15-18 Oct. 2001 Page(s):787 - 790 vol.2<br><a href="#">AbstractPlus</a>   Full Text: <a href="#">PDF</a> (526 KB) IEEE CNF   |
| <input type="checkbox"/> | <b>5. Thermal actuators used for a micro-optical bench: application for a tunable Fabr</b><br>Pichonat-Gallois, E.; de Labachellerie, M.;<br>TRANSDUCERS, Solid-State Sensors, Actuators and Microsystems, 12th International<br>2003<br>Volume 2, 8-12 June 2003 Page(s):1419 - 1422 vol.2<br><a href="#">AbstractPlus</a>   Full Text: <a href="#">PDF</a> (451 KB) IEEE CNF   |

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